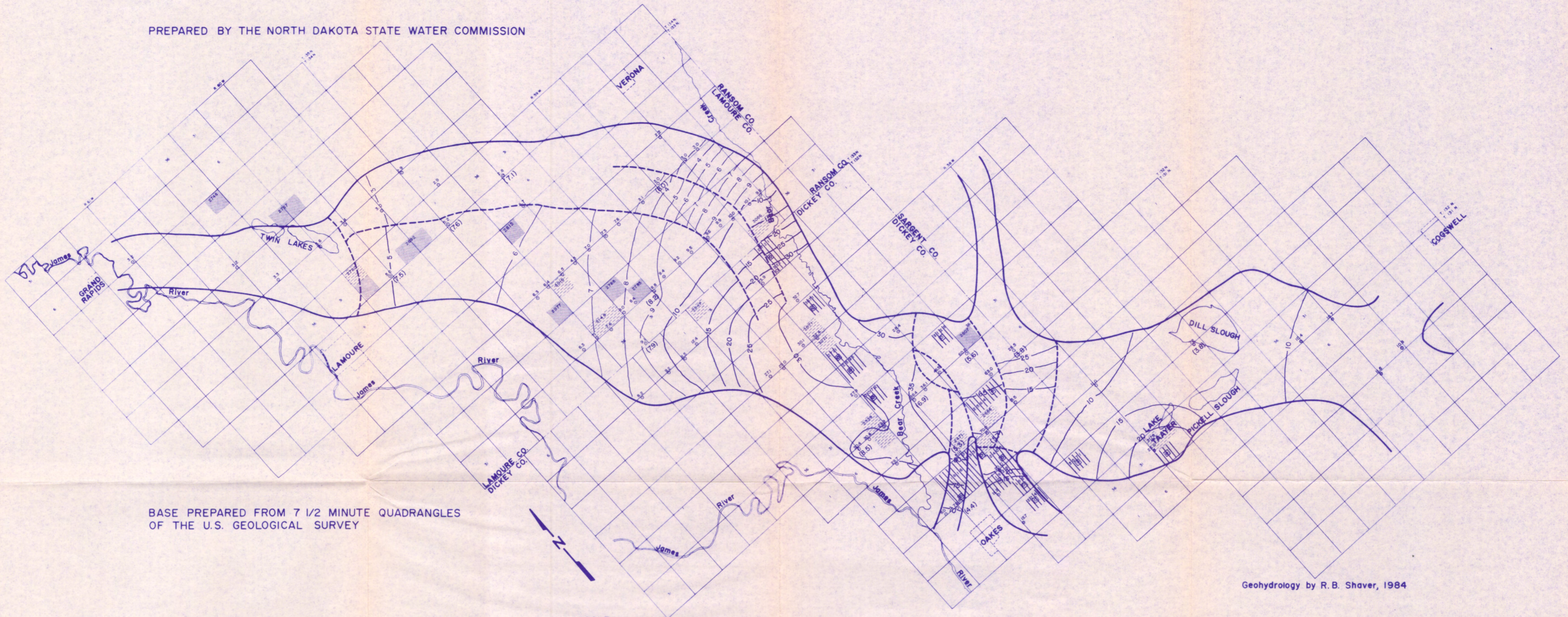


PREPARED BY THE NORTH DAKOTA STATE WATER COMMISSION



BASE PREPARED FROM 7 1/2 MINUTE QUADRANGLES OF THE U.S. GEOLOGICAL SURVEY



Geohydrology by R. B. Shaver, 1984

EXPLANATION

- 2.0 — LINE OF EQUAL DRAWDOWN INTERVAL IS 5 FEET AND 1 FOOT AS SHOWN
- 9.2 — MAXIMUM DRAWDOWN MEASURED DURING 1983 IRRIGATION SEASON
- — STATE WATER COMMISSION OBSERVATION WELL
- (3.5) — TOTAL RESIDUAL DRAWDOWN MEASURED FROM MAY, 1976 TO MAY, 1983
- — IRRIGATION WELL
- STATE WATER COMMISSION PERMIT NUMBER
- ||||| — APPROPRIATION DEVELOPED
- ||||| — APPROPRIATION APPROVED, NOT DEVELOPED
- ||||| — APPROPRIATION REQUESTED, ACTION PENDING
- AQUIFER BOUNDARY
- - - - - LOW TRANSMISSIVITY BARRIER

PLATE 8.—MAP SHOWING LOCATION OF APPROPRIATIONS FROM THE SPIRITWOOD AQUIFER AND ASSOCIATED WATER-LEVEL CHANGES